

## **Draft Objectives, Agendas, and List of Topics to Be Covered in Portland Harbor FS Alternatives Screening Check-in Process**

### **Check in Process Objectives**

The primary objective of the check-in process is to obtain EPA approval to move forward on limited set of comprehensive alternatives to be evaluated in detail in the draft FS.

Consistent with this, supporting objectives include:

- Obtaining EPA input on the key tools supporting the alternative screening using effectiveness, cost, and implementability criteria (e.g., SMA development, chemical mobility evaluations, MNR modeling, cost estimating, etc.)
- Obtaining EPA input on an appropriate set of remedial technologies that should be included in comprehensive alternatives development by SMA
- Obtaining EPA input on specific combinations of technology options that EPA would like to specifically see within the range of comprehensive alternatives.

### **Summary Process and Agendas (items in green are EPA/LWG identified topics of particular interest)**

1. Small Technical Group Benthic Toxicity AOPCs Meeting – August 17, 2010
  - a. AOPC Refinements
    - i. Benthic Toxicity AOPCs (Methods and Results)
2. Small Technical Group MNR/Recontamination Modeling Meeting – December 1, 2010
  - a. MNR/Recontamination Evaluation Approach
    - i. Modeling
    - ii. Other Lines of Evidence (LOEs)
3. Full Group FS Tools Meeting – December 7, 2010
  - a. PRG Refinements
    - i. PRG Uncertainty
  - b. AOPC Refinements
    - i. Maintenance Dredge and Erosion Analysis (i.e., potentially exposed subsurface contamination)
    - ii. Chemical Fate Model Hill Top Replacement Values
    - iii. Comparison to Risk Assessments
    - iv. Comparison to Current or Likely Future Exposures
    - v. Other Mapping Issues (e.g., data density, quality)
    - vi. Analysis of Focused PRGs Coverage of Other COC Risks
    - vii. Analysis of Potential Active Remedy Areas with Site-wide AOPC
    - viii. Description and Contents of Site-Wide AOPC
  - c. SMA Development
    - i. Principal Threat and Hot Spot Determination and Areas

- ii. subSMA Development
    - iii. Depth and Volume Determinations
      - 1. Application of PRGs to Subsurface Sediments
      - 2. Overdredge/constructability
    - iv. Navigation Depth Assumptions
  - d. Surface Water/TZW COC Identification
    - i. Risk uncertainty analysis COCs
    - ii. FS ARAR Screening COCs
  - e. Mitigation Requirements Determination
  - f. MNR/Recontamination Evaluation Results
    - i. Relationship to Background Uncertainty
    - ii. Monitoring Costing Approach
  - g. Capping Evaluations
    - i. Long Term Chemical Isolation Evaluations for Capping/CDFs/CADs
      - 1. Review of EPA Directed Analysis
      - 2. LWG Proposed Analysis
      - 3. Considerations for Groundwater Discharge Areas
    - ii. Cap Armor Requirements (from erosion analysis)
    - iii. Flood Analysis Results (including a CDF site)
    - iv. Navigation Issues
    - v. Site Constraint Issues
    - vi. Costing Approach
  - h. Dredging Evaluations
    - i. Short Term Water Quality
    - ii. Barrier Control Determinations
    - iii. Slope Stability
    - iv. Site Uses (Docks, Nav. Requirements, etc.)
    - v. Site Constraint Issues
    - vi. Costing Approach
  - i. Disposal Sites Development
    - i. Identify Sites and Any Further Screening
    - ii. Design Concepts for CDFs/CADs in FS
    - iii. Conceptual Review of CDF/CAD Against EPA Performance Standards (fatal flaw analysis only)
    - iv. Costing Approach
  - j. Treatment
    - i. Review of Past Screening and Any Updates
    - ii. Treatability Considerations (Matching Site Chemical, Physical, and Volume Conditions to Treatment Options)
    - iii. Costing Approach
4. Full Group Alternatives Screening Meeting – December 14, 2010
- a. General Response Actions/Technology Identification
  - b. Technology Screening by Classes of SMAs
    - i. Key Cost Assumptions (applicable to all technologies)

1. Ranges, Contingency, NPV
2. Mitigation
3. Monitoring
- ii. Capping – including screening “rules”
- iii. Dredging/Disposal – including screening “rules”
- iv. Treatment – including screening “rules”
- v. MNR – including screening “rules”
- c. Comprehensive Alternative Development and Screening – including development and screening “rules”